

Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)
Associated Occupation: Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 62

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mathematics	9.2	17.4	10.6	<<	Extensive education and/or training may be required
Mechanical	6.8	15.5	10.9	<<	Extensive education and/or training may be required
Design	5.2	13.8	6.5	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	13.5	8.3	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.5	17.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 11

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Programming	2.2	14.0	1.3	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.1	8.1	<<	Extensive development of skills in this area may be required
Mathematics	6.2	10.3	5.8	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	7.0	3.6	<<	Extensive development of skills in this area may be required

Technology Design	2.6	5.5	2.2	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 83			
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)					
Associated Occupation: Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Perceptual Speed	7.4	11.4	8.4	<<	Extensive improvement in abilities may be required
Visualization	7.5	11.2	8.1	<<	Extensive improvement in abilities may be required
Mathematical Reasoning	6.3	10.8	7.1	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	10.5	8.9	<	Some improvement in abilities may be required
Reaction Time	4.8	9.7	6.0	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.1	6.0	<<	Extensive improvement in abilities may be required
Rate Control	3.8	7.2	5.1	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	5.9	3.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 48
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011) Associated Occupation: Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)		
Work Activities	Exclusivity of Activity	
Read blueprints	10	
Read technical drawings	7	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation: Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.